



District Report Card: 2017


State: Maharashtra	District: Thane
Class: 8	Subject: Mathematics
Schools: 51	Students: 1416


Participation/Coverage


Students

GENDER 	Boys		Girls	
	Number	%	Number	%
	703	49.65	713	50.35

AREA 	Rural		Urban	
	Number	%	Number	%
	348	24.58	1068	75.42

CATEGORY 	SC		ST		OBC		GEN	
	Number	%	Number	%	Number	%	Number	%
	194	13.70	114	8.05	375	26.48	733	51.77

CWSN 	LD	VI	HI	S&LD	ID	Oth
	3	14	0	0	0	56

Management 	Government		Government-aided	
	Number	%	Number	%
	152	10.73	1264	89.27

Average Performance of Students in Mathematics (%)

Overall	Gender		Area		Management		Social Group			
	Male	Female	Rural	Urban	Govt.	Aided	SC	ST	OBC	GEN
38.81	38.87	38.76	39.79	38.50	43.55	38.24	38.52	44.15	39.18	37.87

Performance on Learning Outcomes (LOs)

Learning Outcomes	Description	Average Performance(%)
M601	Solves problems involving large numbers by applying appropriate operations	35.28
M606	Solves problems on daily life situations involving addition and subtraction of fractions / decimals	28.28
M620	Finds out the perimeter and area of rectangular objects in the surroundings like floor of the class room, surfaces of a chalk box etc.	37.20
M621	Arranges given/collected information in the form of table, pictograph and bar graph and interprets them	40.67
M702	Interprets the division and multiplication of fractions	38.35
M705	Solves problems related to daily life situations involving rational numbers	33.55
M706	Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers	32.47
M707	Adds/subtracts algebraic expressions	39.76
M710	Solves problems related to conversion of percentage to fraction and decimal and vice versa	30.55
M717	Finds out approximate area of closed shapes by using unit square grid/graph sheet	37.61
M719	Finds various representative values for simple data from her/his daily life contexts like mean, median and mode	47.95
M721	Interprets data using bar graph	47.67
M801	Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns	25.07
M802	Finds rational numbers between two given rational numbers	42.19
M803	Proves divisibility rules of 2, 3, 4, 5, 6, 9 and 11	45.92
M804	Finds squares, cubes, square roots and cube roots of numbers using different methods	37.67
M808	Uses various algebraic identities in solving problems of daily life	41.23
M812	Verifies properties of parallelogram and establishes the relationship between them through reasoning	40.96
M818	Finds surface area and volume of cuboidal and cylindrical object	31.51
M819	Draws and interprets bar charts and pie charts	43.71

Range of Performance of Students who Answered Correctly							
Below 30%		30% - 50%		50% - 75%		Above 75%	
Number	%	Number	%	Number	%	Number	%
555	39.19	503	35.52	272	19.21	86	6.07

Lowest Performing Learning Outcomes (LOs)

1 - Generalizes properties of addition, subtraction, multiplication and division of rational numbers through patterns (25.07)

2 - Solves problems on daily life situations involving addition and subtraction of fractions / decimals (28.28)

3 - Solves problems related to conversion of percentage to fraction and decimal and vice versa (30.55)

4 - Finds surface area and volume of cuboidal and cylindrical object (31.51)

5 - Uses exponential form of numbers to simplify problems involving multiplication and division of large numbers (32.47)